LERIA

Laboratoire d'Etude et de Recherche en Informatique d'Angers
Université d'Angers, France

July 2019

ID Card

Created: 1994
Staff: ~40
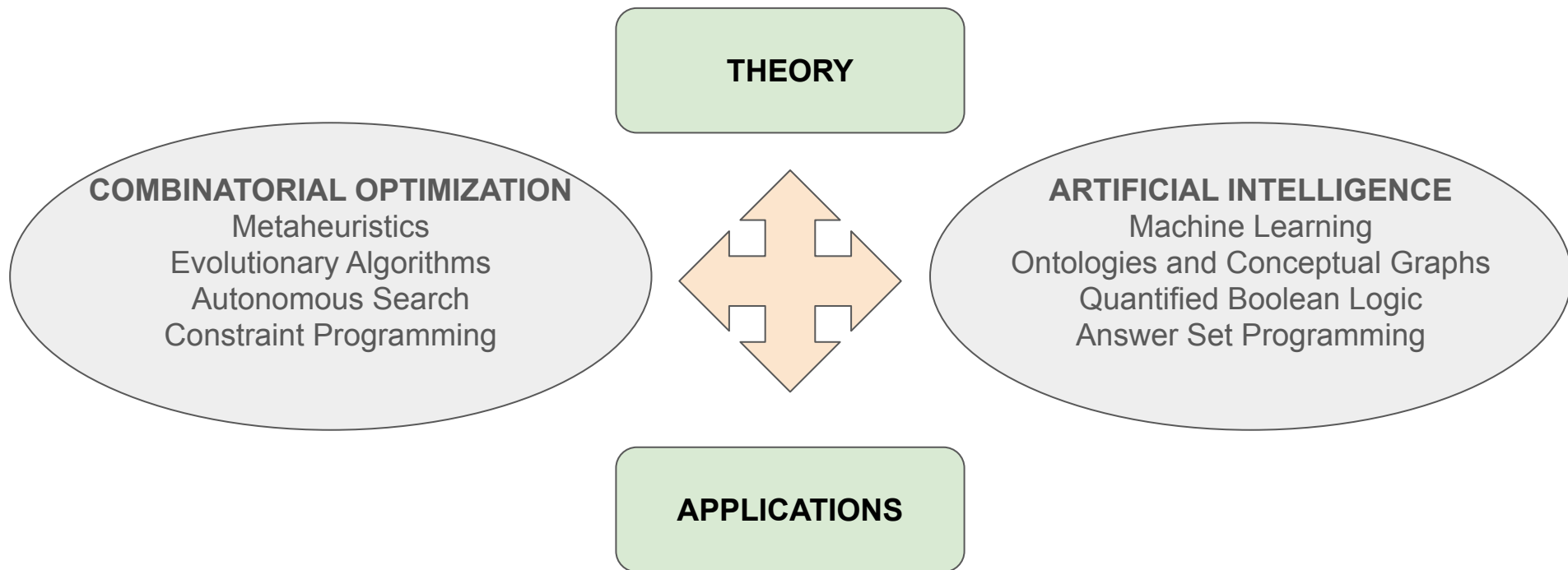**Head:** D. Lesaint (2016-), JK Hao (2005-2015)

Resources
- 6 professors, 15 lecturers
- 14 PhD students, 4 post-docs/ATER, 1 engineer, 1 secretary
- Computer cluster (20 CPU/GPU nodes, 8TFlops, 1x1Tb+20x64Gb RAM, 100Tb disk, 10Gb/s)

Tight coupling with Dpt. of Computer Science
- Master: 2 years / 50 students
- Bachelor: 3 years / 150 students

Research Areas

THEORY

COMBINATORIAL OPTIMIZATION
Metaheuristics
Evolutionary Algorithms
Autonomous Search
Constraint Programming

ARTIFICIAL INTELLIGENCE
Machine Learning
Ontologies and Conceptual Graphs
Quantified Boolean Logic
Answer Set Programming

APPLICATIONS

Bioinformatics - Health - Production - Logistics - Education

Applications

- Inventory planning
- Network design, frequency assignment
- Earth observation satellite management
- Timetabling / nurse rostering / bus scheduling
- Gene network inference, phylogenetic reconstruction ...

PUBLICATIONS	2010-15
Int. Journals	74
Int. Conferences	73
Nat. Conference	33
Book Edition	10
Book Chapters	12

Achievements

- Prof. Jin-Kao Hao: member of Institut Universitaire de France
- Conf. organization: EA'11, ROADEF'12, JFPC'14, ICCART'14, PFIA'20
- Competition awards: DIMACS'14, NRC'10
- 16 thesis over 2010-2015
- Int. collaborations: Chile, China, India, Mexico, Ireland, UK, US